

PATENT COOPERATION TREATY

From the	PRELIMINARY EXAMINI	ING AUTHORITY				
To:	TREENING COUNTY			PCT		
SUN PHARMA	ACFUTICAL INDUST	RIES LIMITED.		101		
SUN PHARMACEUTICAL INDUSTRIES LIMITED, SHRIVASTAVA Ratnesh			w	RITTEN OPINION		
Acme Plaza	Andhari Kurlo Dood		• • • • • • • • • • • • • • • • • • • •	KITTER OF HIGH		
Andher: East, 400059 Mumb	Andheri Kurla Road, pai		(PCT Rule 66)			
India			Date of mailing			
			(day/month/year) 30 August 2004 (30.08.2004)			
Applicant's or ag	ent's file reference		REPLY DUE			
MTX_102			within 2 months/days from the above date of mailing			
International app	lication No.	International filing d	ate (day/month/year)	Priority date (day/month/year)		
PCT/IN 2003		2 September 200	3 (02.09.2003)	2 September 2002 (02.09.2002)		
	ent Classification (IPC) or 1/421, 9/14, 45/06	both national classifi	cation and IPC			
Applicant						
SUN PHARM	ACEUTICAL INDUST	TRIES LIMITED				
The instruction	en opinion is the first (fi	ret_etc) drawn by thi	s International Prelimina	ary Examining Authority.		
1						
1	ion contains indications re		g items:			
i.	Basis of the opinion	on				
11.	Priority					
III.	III. Non-establishment of opinion with regard to novelty, inventive step and industrial applicability					
IV.	IV. Lack of unity of invention					
V.	V. Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
VI.	Certain documen					
VII.	Certain defects in	n the international app	blication			
VIII.	Certain observati	ons on the internation	nal application			
3. The appl	icant is hereby invited to	reply to this opinion.				
When?	See the time limit indicate to grant an extension, so	ited above. The applic	cant may, before the exp	iration of that time limit, request this Authority		
How?		reply, accompanied, v	where appropriate, by ar nents, see Rules 66.8 and	mendments, according to Rule 66.3.		
Also	- Live and description of A					
If no re	If no reply is filed, the international preliminary examination report will be established on the basis of this opinion.					
4. The fina	al date by which the internation report must be estable	ational preliminary ished according to Ru	ule 69.2 is: 02.01.200	5 <u>.</u>		
<u></u>			Authorized office			
Name and mai Austrian Pater	ling address of the IPEA/.	A I	Aumorizes office	KRENN M.		
	3e 87, A-1200 Vienna			AREININ IVI.		
Esseimile No.	Facsimile No. 1/53424/200			Telephone No. 1/53424/435		

Form PCT/IPEA/408 (cover sheet) (July 1998)



International application No.

PCT/IN 2003/000294

I.							
1.	With regard to the elements of the international application:*						
	\boxtimes	the international application as originally filed					
		the description	n:				
	_	pages	, as originally filed				
		pages	, filed with the demand				
		pages	, filed with the letter of .				
	_						
	\sqcup	the claims:					
		pages	, as originally filed				
		pages	, as amended (together with any statement) under Article 19				
		pages	, filed with the demand				
		pages	filed with the letter of				
	П	the drawings:					
		pages	, as originally filed				
		ages	, filed with the demand				
		pages	filed with the letter of				
ļ		'he sequence	listing part of the description:				
		pages	, as originally filed				
		pages	, filed with the demand				
		pages	, filed with the letter of				
2.	wh	ich the internati	language, all the elements marked above were available or furnished to this Authority in the language in onal application was filed, unless otherwise indicated under this item. The available or furnished to this Authority in the following language which is:				
		the language	of a translation furnished for the purposes of international search (under Rule 23.1(b)).				
			of publication of the international application (under Rule 48.3(b)).				
		the language or 55.3).	of the translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/				
3.			nucleotide and/or amino acid sequence disclosed in the international application, the written opinion basis of the sequence listing:				
		contained in	the international application in printed form.				
		filed together	r with the international application in computer readable form.				
			bsequently to this Authority in written form.				
			bsequently to this Authority in computer readable form.				
		The statement international	nt that the subsequently furnished written sequence listing does not go beyond the disclosure in the application as filed has been furnished.				
		The statement been furnished	nt that the information recorded in computer readable form is identical to the written sequence listing has ed.				
4.		The amendn	ments have resulted in the cancellation of:				
		the des	cription, pages				
		the clai	ms, Nos.				
		the dra	wings, sheets/fig				
5	. [This opinion go beyond t	has been drawn as if (some of) the amendments had not been made, since they have been considered to the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).				
			s which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to originally filed".				

WRITTEN OPINION

International application No.

PCT/IN 2003/000294

III.	III. Non-establishment of opinion with regard to novelty, inventive step and industrial applicability				
1.	The questions whether the claimed invention appears to be novel, to involve an inventive step (to be non obvious), or to be industrially applicable have not been examined in respect of:				
	the entire international application,				
	\boxtimes	claims Nos. 19-22,25,26.			
		because: the said international application, or the said claims Nos. relate to the following subject matter which does not require an international preliminary examination (specify):			
	\boxtimes	the description, claims or drawings (indicate particular elements below) or said claims Nos. 19-22,25,26 are so unclear that no meaningful opinion could be formed (specify): Characterization of pharmaceutical dosage forms by their modes of administration is insufficient; thus claims 19-22 resp. the dependent claims 25 and 26 were not considered in establishing the present examination.			
		the claims, or said claims Nos. are so inadequately supported by the description that no meaningful opinion could be formed.			
		no international search report has been established for said claims Nos.			
2.	A w	ritten opinion cannot be drawn due to the failure of the nucleotide and/or amino acid sequence listing to comply with the dard provided for in Annex C of the Administrative Instructions: the written form has not been furnished or does not comply with the standard.			
	the computer readable form has not been furnished or does not comply with the standard.				
Form	orm PCT/IPEA/409 (Box III) (July 1998)				



International application No. PCT/IN 2003/000294

•	Reasoned statement und citations and explanation	er Rule 60 Is support	6.2(a)(ii) with regard to novelty, inventive step or industrial applicability; ting such statement	
	Statement			
	Novelty (N)	Claims	8-14	YES
	-	Claims	1-7,15-18,23,24	NO
	Inventive step (IS)	Claims		YES
		Claims	1-18,23,24	NO
	Industrial applicability (IA)	Claims	1-18,23,24	YES
		Claims		NO
`ita	tions and explanations			

The following documents have been cited in the Search Report:

D1: US 4036957 A D2: WO 02/45693 A1 D3: DE 10153078 A1 D4: US 6407128 B1

By referring to a pharmaceutical preparation comprising acetylsalicylic acid, metaxalone and opt. a dispersing (= solubilizing) agent or a wetting agent, wherein the components of said (micronized) preparation provide a particle size < 0.07 mm, D1 anticipates claims 1-7, 15-17,23 and 24.

D2 pertains to a micronized active agent, e.g. metaxalone providing a preferred particle size from less than 100µm, which is uniformly dispersed in a matrix composed of one or more excipients selected from the group of fatty alcohol, triglyceride, partial glyceride and fatty acid ester, which might act as solubilizing agents. Such pharmaceutical preparations represent compositions with enhanced oral bioavailability; thus D2 anticipates claims 1-7 and 15-18.

Although D2 does not refer to metaxalone providing either the specific surface area or the particle size distribution described in the present application, inventiveness of claims 1-18 is not given, because D2 describes a particle size of metaxalone up to 1-20µm, which are inevitably associated with a elevated surface area per unit volume.

As none of the cited documents explicitly refers to the details described in claims 8-14, said claims show novelty.

After filing of the priority document D3 is not anymore considered to be a relevant document.

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WRITTEN OPINION	International application No. PCT/IN 03/00294
Supplemental Box (To be used when the space in any of the preceding boxes is not sufficient)	1
Continuation of: Box V (page 1)	
D4 is regarded as state of the art, because it does not disc but a recommendation to administer metaxalone together	close a solubility-improved form, with food.
Industrial applicability is given	
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Form PCT/IPEA/408 (Supplemental Box) (July 1998)

WRITTEN OPINION

International application No. PCT/IN 2003/000294

VI.		documents cited					
1.	Certain published documents (Rule 70.10)						
		Application No. Patent No.	Publication date (day/month/year)	Filing date (day/month/year)	Priority date (valid claim) (day/month/year)		
	DE	10153078 A1	22.5.2003	30.10.2001			
			·				
2.	Non-writt	en disclosures (Rule 70.9)					
		nd of non-written disclosure	Date of non-wri		Date of written disclosure referring to non-written disclosure (day/month/year)		
					(ou) month you)		
Forn	n PCT/IPE.	A/408 (Box VI) (July 1998)				

WRITTEN OPINION

Form PCT/IPEA/408 (Box VII) (July 1998)

International application No. PCT/IN 2003/000294

VII.	Certain defects in the international application				
The foll	owing defects in the form or contents of the international application	on have beer	n noted:		
"pha pharn	The characterizing parts of claims 1,2,5 and 8 were not considered in establishing the present report, because they include insufficiently defined formulations, namely "pharmaceutical composition has enhanced oral bioavailability." (claims 1,8), "a pharmaceutically acceptable solubility-improved form." (claim 2) and "high-energy crystalline form of metaxalone." (claim 5).				
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